



MIPP Software Meeting

01/30/2009



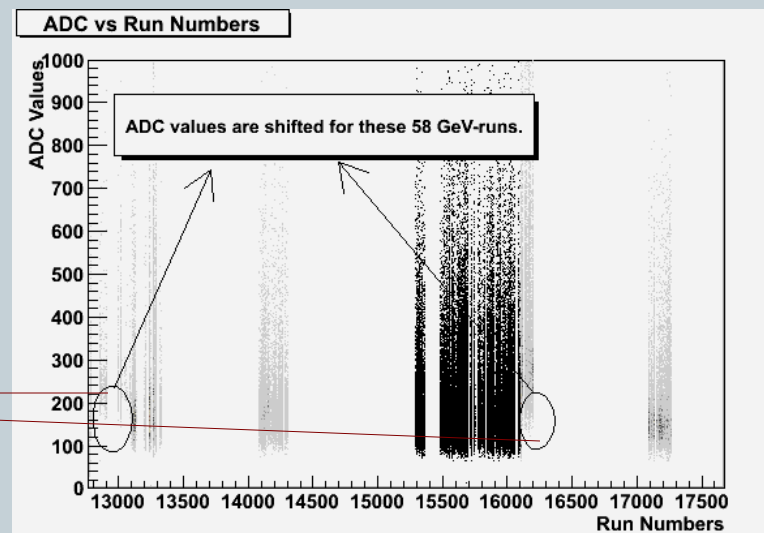
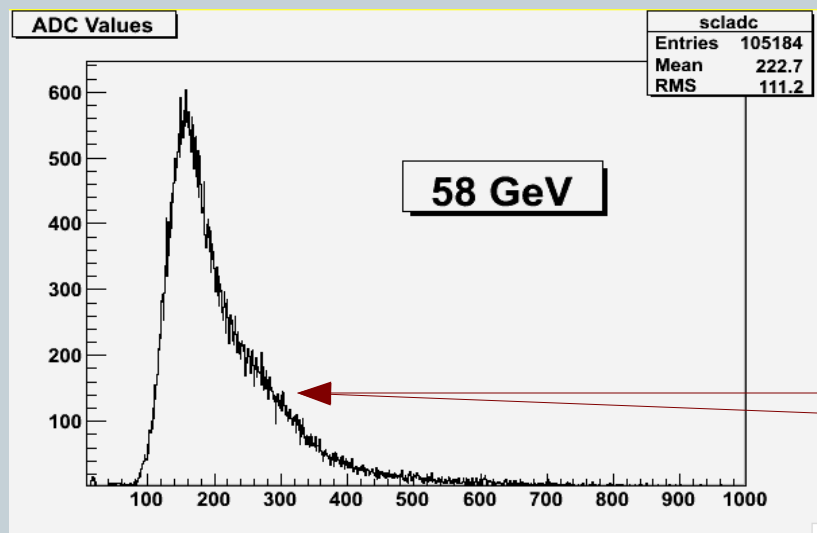
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ScInteraction Trigger Digitization Progress

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ADC Spectrums for 58 and 120 GeV.

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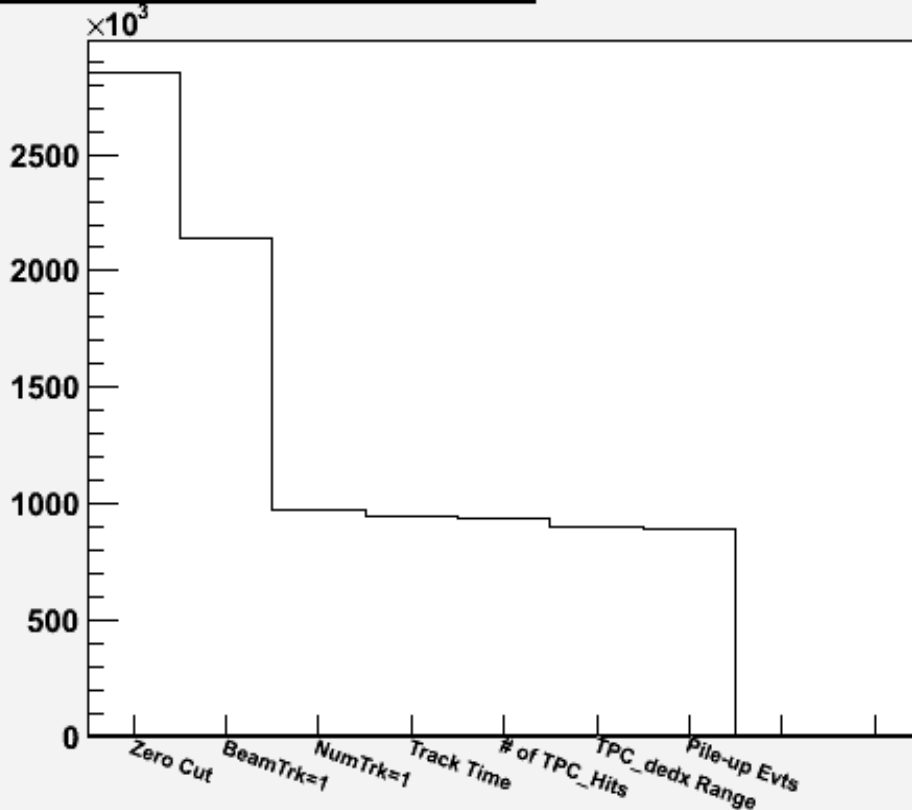


Here is ADC spectrums for 58 GeV data set based on one MIP method. 58 GeV spectrum have a unusual bump on its tail. On the ADC vs Run plot, some runs' ADC values are shifted due a reason or some reasons. These runs are needed to be searched.

Applied Cuts

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Number of Events after Cuts

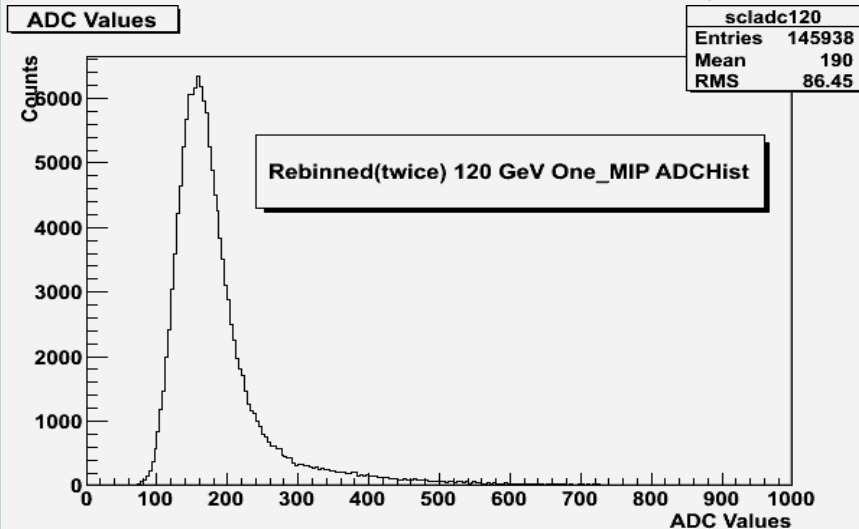
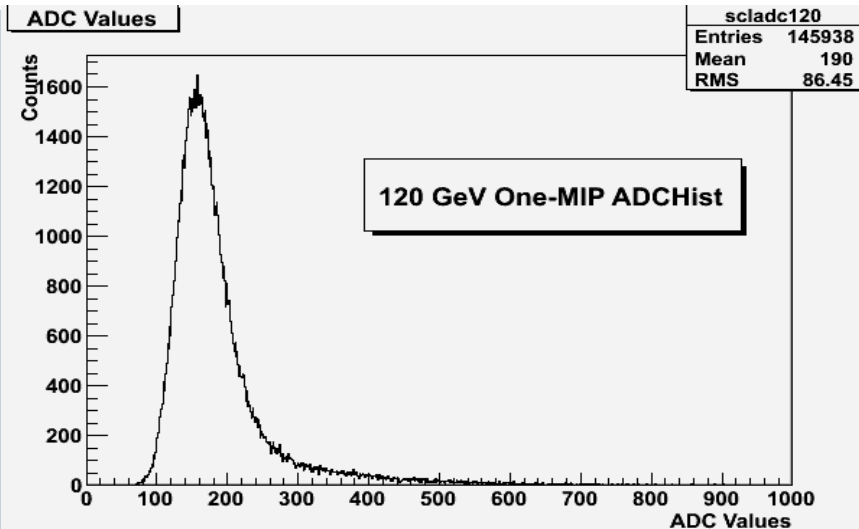


sclcut120	
Entries	9635710
Mean	2.129
RMS	2.049

- This is the applied cuts in my code.
- X axis represents cuts definitions
- Y axis is number of the events.
- After # of TPC hits cut, events size looks like stabilized.

Read Special Data Sample

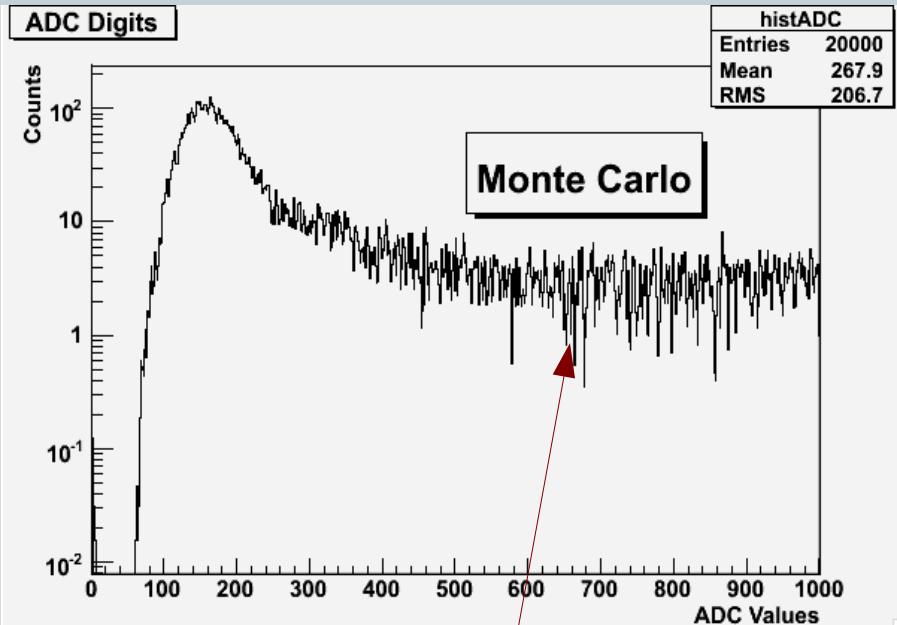
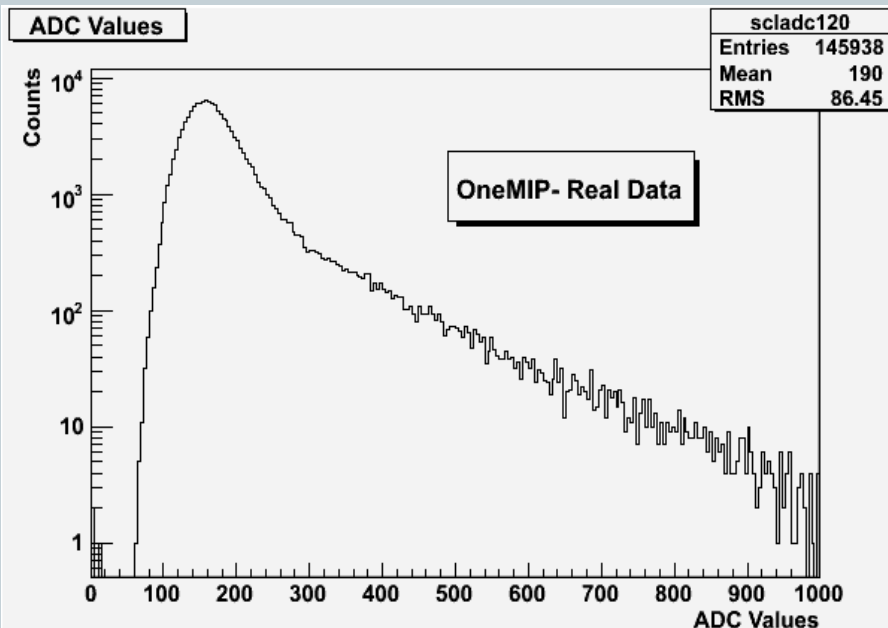
4



- I did choose 120 GeV hist.
- Rebinned it twice.
- I used rebinned version inside the ScintDigitizer to get sample ADC spectrum.

OneMIP and Interactions

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- On the left hand side, ADC spectrum of the OneMIP sample hist from real data
- On the right hand side, what I get from OneMIP sample with ScinTDigitizer
- These looks different because on the digitized plot tail, we have interactions events.

To do

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- I will have some plots to show you better digitized plot , next week.
- Then, we can compare it to real data ADC spectrum plot.